

### Amendments to the Specification

Replace the title with the following amended title:

Color Image Scanning and Printing Device with Efficient Conversion of Scanned Image Data into Print Image Data

Replace paragraph 0009 with the following amended paragraph:

According to the second aspect, the printing unit prints out the image based on the image data of each of the color components for two pages in ~~the~~ a first printing process. Then, when the color components are four colors (Cyan, Magenta, Yellow, and Black), the conversion process by the conversion unit for the two color components (K, C) for the two pages is executed prior to the conversion process by the conversion unit for the remaining two color components (M, Y) for the two page pages. While the image of the second page of the original documents is scanned, the conversion process for the two color components (K, C) is completed in accordance with the scanned result of the first page. Specifically, the conversion process is executed in an order of the K component of the first page, the C component of the first page, the K component of the second page, and the C component of the second page, and the printing process for the K component and the C component is executed. Then, the conversion process is executed in an order of the M component of the first page, the M component of the second page, the Y component of the first page, and the Y component of the second page, and the printing process for the M component and the Y component is executed. Accordingly, the conversion process for the C component of the first page can be carried out during the scanning process of the second page, and the entire processing time can be reduced.

Replace paragraph 0032 with the following amended paragraph:

In FIG. 2, (1) shows a starting point of a scanning process of an image of a first page of original documents. An arrow (2) shows ~~to start~~ a starting point of the

color conversion/binarization process by the color conversion/binarization unit 16 after writing several lines of the Lab image data of the first page (Lab 1) into the first image memory 15. For the first color component K (K components (K1, K2, K3, K4) of first, second, third, and fourth pages), the color conversion/binarization process is carried out by the color conversion/binarization unit 16 to each of the lines. Meanwhile, for the remaining color components C, M, and Y (C1~C4, M1~M4, and Y1~Y4), since the Lab image data of all lines are stored, the color conversion/binarization process is carried out by the color conversion/binarization unit 16 to all of the lines at once.

Replace paragraph 0033 with the following amended paragraph:

In FIG. 2, an arrow (3) shows ~~to start~~ a starting point of the encoding process by the first codec 21 after writing (storing) into the second image memory 17, the image data of several lines of the K component (K1) for the first page. An arrow (4) shows ~~to start~~ a starting point of the scanning process of the image of the second page of the original documents after completing the writing of the Lab 1 into the first image memory 15. An arrow (5) shows ~~to start~~ a starting point of the color conversion/binarization process in the K component (K2) of the second page after completing the writing of the C component (C1) of the first page into the second image memory 17.

Replace paragraph 0034 with the following amended paragraph:

Furthermore, in FIG. 2, an arrow (6) shows ~~to start~~ a starting point of the printing process of the black image by fetching the K components (K1, K2) of two pages from the second image memory 17 after completing the writing of the K components (K1, K2) into the second image memory 17. An arrow (7) shows ~~to start~~ a starting point of the color conversion/binarization process in the M component (M1) of the first page when the printing process of the black image of two pages has been completed. An arrow (8) shows ~~to start~~ a starting point of the scanning process

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of the image of the third page of the original documents when the color conversion/binarization process in the Y component (Y1) of the first page has been completed.